

ACCESSION NR: AT4016488

S/2582/63/000/010/0111/0117

AUTHOR: Urbakh, V. Yu. (Moscow)

TITLE: Considering the correlations between letters of the alphabet when calculating the quantity of information in a message

SOURCE: Problemy kibernetiki, no. 10, 1963, 111-117

TOPIC TAGS: Information theory, information quantity, language structure, linguistic analysis, alphabet, redundancy, zeta function, Pratt table, Rieman function, granular structure

ABSTRACT: The author attempts to describe the effect of the correlations between the different letters of the alphabet of a given language on the quantity of information transmitted, the description being based on the simplest possible function of the distance of the correlation. His general intent is to derive a theoretical or at least a semi-theoretical formula based on a more or less acceptable model of the statistical structure of the language. Since the investigation is limited to the first approximation only, the properties of the language are described in the most general terms and by means of relatively simple analytical expressions. Distance of correlations and linguistic redundancy are considered. The Rieman zeta-function is introduced. A statistical analysis of a 30,000-word

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selection from Leon Tolstoy's "War and Peace" is discussed, with results expressed in terms of "bit/words". The use of the Pratt table is described in probability analysis operations. Various formulas for digrams, trigrams and pentagrams are obtained, and the mean distance of inter-letter correlations is determined. The author introduces the concept of the "granular" structure of the printed text; that is, the fact that it actually consists of individual or "separate" words. The effect of this circumstance on linguistic predictability (with reference to the works of Shannon) and on the non-monotonicity of derived probability curves is discussed. Orig. art. has: 16 numbered formulas.

ASSOCIATION: none

SUBMITTED: 10Dec61

SUB CODE: DP

DATE ACQ: 20Feb64

NO REF SOV: 003

ENCL: 00

OTHER: 002

Card 2/2

URBAKH, Viktor Yul'yevich; LIVSHITS, N.N., doktor biol. nauk,  
otv. red.; BOL'SHEV, L.N., kand. fiz.-mat.nauk, red.

[Biometric methods; statistical processing of experi-  
mental data in biology, agriculture and medicine] Bio-  
metricheskie metody; statisticheskaya obrabotka opyt-  
nykh dannykh v biologii, sel'skom khoziaistve i medi-  
tsine. Moskva, Nauka, 1964. 415 p. (MIRA 18:1)

URBAKH, V.Yu. (Moskva)

Introduction to information dynamics as a branch of information theory. Probl. kib. no.10:99-109 '63.

Allowing for correlations between letters of the alphabet in computing the amount of information in a message. Ibid.:111-117  
(MIRA 18:4)

1-50127-11

ACCESSION NR. AR501 111

1-50127-111 April 1967

SOURCE: Ref. zh. Biologicheskaya i Meditsinskaya Statistika

AUTHOR: Urbakh, V. Yu.

TITLE: Biometrical methods. (Statistical processing of experimental data in biology, agriculture and medicine)

CITED SOURCE: Biometricheskiye metody. Statisticheskaya obrabotka opytnykh dannykh v biologii, sel'skom khoz-voystve i meditsine. Moscow, 1964. 415 str.

TOPIC TAGS: applied mathematics; statistics; biology; agriculture; medicine

TRANSLATION: This is a substantially revised and enlarged edition of the author's book Mathematical Statistics for Biologists and Medical Researchers, 1963.

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are discussed, the second covers the actual distribution, the third refers to estimation of parameters based on sampling data, the fourth to parameter estimation of differentiating distributions.

SIXTH: The Commission has not been able to identify any other persons who were involved in the assassination of Dr. Martin Luther King, Jr. on April 4, 1968, in Memphis, Tennessee.

serial and quality than for a series of words. The words and their meanings and expressions frequently encountered in technical literature are also given. In the conclusion, the general results of the statistical analysis are stated.

V. Chetsov

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AM5023886

BOOK EXPLOITATION

UR/

Urbakh, Viktor YUL'yevich

25

B71

Biometric methods; statistical analysis of empirical data in biology, agriculture, and medicine (Biometricheskiye metody; statisticheskaya obrabotka opytnykh dannyykh v biologii; sel'skom khozyaystve i meditsine). Moscow, Izd-vo "Nauka," 1964. 415 p. illus., biblio., index, tables. (At head of title: Akademiya nauk SSSR. Institut biologicheskoy fiziki). Errata slip inserted. 8000 copies printed.

TOPIC TAGS: biometrics, data processing, curve fitting

PURPOSE AND COVERAGE: This book is the fully revised and significantly expanded version of a previous work by the author (Matematicheskaya statistika dlya biologov i medikov [Mathematical statistics for biologists and physicians], Izd-vo AS USSR, 1963). It covers all the principal methods of modern biometry, including the probit method, sequential analysis, nonparametric tests, et cetera. The only background required for using the manual is that of Soviet secondary school mathematics. Examples are taken from biology and

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allied fields. Special attention is paid to the detailed analysis of computational techniques. The book contains 29 essential mathematical and statistical tables. This book is intended for persons engaged in research in various fields of biology, medicine, and agriculture who are concerned with processing experimental data, also students in VUZes with like interests.

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SUB CODE: MA, LS

SUBMITTED: 09Nov64

NO REF SOV: 034

OTHER: 017

Card

URBAN, A. 21

CA

The pigment component from sunflower oil of sub-Carpathian Russia. The chromatographic method for its isolation. N. Retovskiy and A. Urban. Chem. Obozr 10, 201-3 (in English 203) (1934). After a description of methods used for the extra. of sunflower oil in sub-Carpathian Russia the chromatographic method of Towell (1908) introduced by Kuhn for the study of carotenoids (C. A. 36, 2633-4) is given. The pigment of sunflower oil is a carotenoid which is sepd. by this method. The discoloration of sunflower oil by alc. is a catalytic photo-reaction based on chem. changes of the carotenoid pigment present in natural oil. T. Kudern

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

100000 00 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

URBAN, A.

Machinery for a complex mechanization of the growing of cereal grains.

p. 540 (MECHANISACE ZEMEDELSTVI) Vol. 7, no. 21, Nov. 1957,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) IC, Vol. 7, No. 3,  
March 1958

URBAN, A.

Machinery for complex mechanization in the cultivation of sugar beets. (To be contd.)

p. 563 (MECHANISACE ZEMEDELSTVI) Vol. 7, no. 24, Dec. 1957,  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

URBAN, Aladar

The English-Boer War, 1899-1902. Elet tud 16 no.22:675-678  
28 My '61.

URBAN, Aladar, egyetemi adjunktus

Lenkey's century. Elet tud 17 no.10:291-295 Mr '62.

URBAN, Antonin, inz.

Television center systems. Slaboproudý obzor 21 no.8:463-468 Ag '60.  
(EEAI 10:1)

1. TESLA - Radiospoj-  
(Czechoslovakia--Television)



URBAN, A., inz.

A study on vidicons. Slaboproudy obzor 23 no.2:111-114 P '62.

URBAN, Antonin (Praha - Brevnov, Bolohorska 144); ROSSLER, Kamil (Zbraslav,  
Schneiderova 75)

Lever mechanism for handling casks. Energetika Cz 13 no.6:340  
Je '63.

1. Montovane stavby, n.p., Praha 1, Revolucni 15.

URBAN, Antonin

Insulation of resistance tensometers against water. Jaderna  
energie 9 no.10:327 0 '63.

1. Zavody V.I. Lenina, n.p., Plzen.

**"APPROVED FOR RELEASE: 04/03/2001**

**CIA-RDP86-00513R001858020005-2**

**APPROVED FOR RELEASE: 04/03/2001**

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APPROVED FOR RELEASE: 04/03/2001

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~~Atmos~~, urban, Alors.

Urban, A.

Urban, A. Differential equations of curves on a special

12 pp. (1948). (Luzern).

1. The differential equations of curves on a special

0 10

URBAN, H. C.

Urban Areas, North America, and the Distribution of Species



$$(n=0, 1, 2, \dots, \infty) \quad (k=1, 2, 3, \dots, \infty)$$

ou  $H_{ab} = D_a D_b - D_b D_a$  est le tenseur de courbure pour le vecteur de Killing  $K_a$ . Le tenseur  $H_{ab}$  est antisymétrique. Dans le cas d'un espace à courbure constante, on a  $H_{ab} = \frac{1}{2} R g_{ab}$ , où  $R$  est le scalaire de courbure.

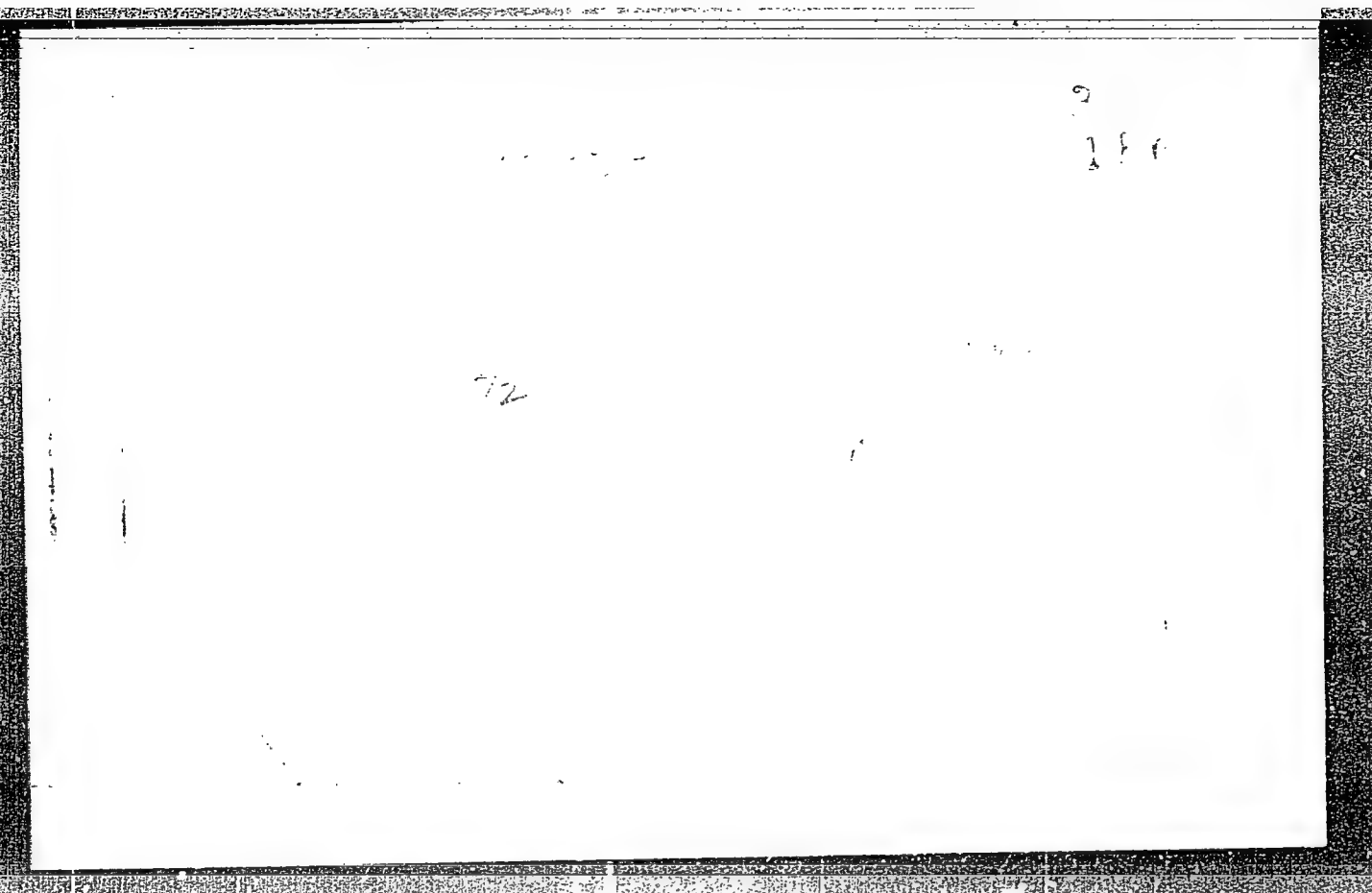
$$v^a = -\frac{1}{R^2} \dot{R}^2 - \frac{1}{RT} \dot{R} \dot{T} + \frac{1}{S} \dot{N}^2$$

où  $\epsilon = [\dot{R}^2, \dot{T}, \dot{N}^2]$ .  $1/R$  est la courbure géodésique,  $1/T$  est la torsion géodésique adjointe au vecteur  $\dot{R}$ .  $\dot{S}$  est le scalaire de courbure adjointe au vecteur  $\dot{R}$ . On peut aussi écrire  $\dot{N}^2$  en fonction de  $\dot{R}$  et  $\dot{T}$ .

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APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858020005-2"

URBAN, Alois

Deskriptivni geometrie. 1. dil. (Descriptive Geometry. Vol. 1; a university textbook. 3d reprint of the 5th ed. illus.) For the students of the Faculty of Mechanical Engineering. Prague, SNTL, 1957. 292 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. : 24 Sept 57. p. 712.

URBAN, ALOIS

Deskriptivni geometrie. 2. dil. (Descriptive Geometry. Vol. 2; a university textbook. 3d reprint of the 5th ed. illus.) Prague, SNTL, 1957. 178 p.

Bibliografický katalog, CSR, České knihy, No. 33. 24 Sept 57. p. 712.

URBAN, A.

"The augmentation of the contact of curves by means of projection."

p. 207 (Matematicko-Fyzikalny Casopis) Vol. 7, no. 4, 1957.  
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

URBAN, Alois

The first Czechoslovak Conference on Differential Geometry.  
Pokroky mat fyz astr 6 no.1:62 '61.

URBAN, Alois; VESELY, Frantisek; DUSEK, Frantisek; LAITTOCH, Miroslav

Reports on the activities of the branches of the Association  
of Czechoslovak Mathematicians and Physicists. Pokroky mat  
fyz astr 6 no.1:63-68 '61.

URBAN, Alois

The first Czechoslovak Conference on Differential Geometry.  
Poroky mat fyz astr 7 no.1:40-44 '62.



JANOVIC, Jozef; MIKESKA, Jindrich; URBAN, Alois; KLEIN, Tomas

Reports of Branches of the Association of Czechoslovak  
Mathematicians and Physicists. Poroky mat fyz astr 7 no.1:  
49-53 '62.

URBAN, Alois (Praha)

Geometry of fibers in a plane. Pokroky mat fyz astr 7 no.4:193-110  
'62.

URBAN, Alois

Noted professors of descriptive geometry from Rakovník. Pokroky mat  
fyz astr 7 no.5;285-290 '62.

URBAN, Alois

The life and work of professor Jan Sobotka. Pokroky mat fyz  
astr 7 no.6:355-359 '62.

URBAN, Alois (Praha)

The first Czechoslovak Conference on Differential Geometry.  
Cas pro pes mat 87 no.1:125-127 '62.

URBAN, Alois

Survey of the Czechoslovak results in differential geometry  
using tensor methods. Cas pro pest mat 88 no.2:211-223 '63.

1. Ceske vysoke uceni technicke, Praha 2, Na bojisti 3.

L 3029-66 EWT(d) IJP(c)

ACCESSION NR: AP5026946

CZ/0045/65/000/001/0073/0080

AUTHOR: Urban, Alois (Prague)

TITLE: Elementary spatial determination of osculating circles of conic sections I

SOURCE: Matematicko-fyzikalny casopis, no. 1, 1965, 73-80

TOPIC TAGS: construction, geometry

ABSTRACT: The article presents elementary proofs of the constructions of osculating circles of conic sections which start from the theorem of increase in the contact of curves by projection and from the theory of the intersection of special second-order surfaces. Orig. art. has: 11 figures, 4 formulas.

ASSOCIATION: Katedra deskriptivni geometrie strojni fakulty, Ceskeho vysokeho uceni technickeho, Prague (Department of Descriptive Geometry, Faculty of Mechanical Engineering, Czech Institute of Technology)

SUBMITTED: 08Jul63

ENCL: 00

SUB CODE: NA

NR REF SOV: 000

OTHER: 007

JPRS

Card 1/1 *md*

URBAN, Anna

value of cytological examinations in the diagnosis of neoplasms.  
Wiad. lek. 18 no.14:1177-1178 . 15 J1 '65.



URBAN, Anna; LENDZYK, Maria

So-called eosinophilic granuloma of the ileum. Pat. polska 7  
no. 3:307-311 July-Sept 56.

1. Z Instytutu Onkologii w Krakowie, Dyrektor: doc. dr.  
H. Kolodziejaska i z III Kliniki Chirurgicznej A.M. w Krakowie  
Dyrektor: prof. dr. J. Jasienski, Krakow, Instytut Onkologii,  
ul. Garncarska 11.

(EOSINOPHILIC GRANULOMA, case reports,  
ileum (Pol))

(ILEUM, diseases,  
eosinophilic granuloma (Pol))

URBAN, Anna.

Remarks on the histopathologic investigations for the Polish Red  
Cross Hospital in Korea. Polski tygod.lek. 11 no.5:225-227 30 Jan 56.

1. Z Instytutu Onkologii w Krakowie; kierownik: doc. dr med. Hanna  
Kolodziejaska-Wertheim. Krakow, Instytut Onkologii, ul. Garncarska 11.

(LIVER CIRRHOSIS, compl.

cancer of liver)

(LIVER, neoplasms

in liver cirrhosis)

(PEPTIC ULCER, compl.

cancer of stomach)

(STOMACH, neoplasms

in peptic ulcer)

URBAN, Anna

Essay of value of cytodiagnosis in preliminary diagnosis of breast cancer. Polski tygod.lek. 11 no.47:1977-1981 19 Nov 56.

1. Z Instytutu Onkologii-Oddział w Krakowie; Dyrektor: doc. dr. med. Hanna Kolodziejaska, Krakow, Instytut Onkologii, ul. Garndardkas 11.

(BREAST NEOPLASMS, diagnosis,  
cytol., evaluation (Pol))

URBAN, Anna; OSZACKI, Jan

Case of thymus cyst. Polski przegl. chir. 29 no.2:121-123  
Feb 57.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr.  
H. Kolodziejaska. Adres autora: Krakow, ul. Garncarska 11.  
(THYMUS, cysta  
case report (Pol))

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Sept. 50

5169. GASTRIC ULCER IN THE MORPHOLOGICAL AND CLINICAL PICTURES -  
Wrzód żołądka w obrazie morfologicznym i klinicznym - Urban A.,  
Leńczyk M. and Oszacki J. II Klin. Chir., Inst. Onkol., Kraków -  
POL, PRZEGL. CHIR. 1958, 30/8 (813-820) Graphs 2 Illus. 5

Serial microscopic investigations of 100 stomachs resected on account of gastric  
ulcer revealed the presence of 118 ulcers. Ulcers up to 2 cm. in diameter situated  
at the lesser curvature constituted 50% of the cases, ulcers larger than 2 cm. in  
diameter constituting 25.5%. Carcinomatous degeneration at the edge of a peptic  
ulcer was ascertained 7 times (5.9%). All these cases were affected by ulcers  
2 cm. or more in diameter. (IX, 5, 16)

1102

LENCZYK, Maria; OSZACKI, Jan; URBAN, Anna

Effect of cortisone and ACTH on morphological structure of gastric mucosa in rats. Polski przegl. chir. 31 no.1:15-22 Jan 59.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr H. Kolodziej-ska i z Zakładu Farmakodynamiki A. N. w Krakowie Kierownik: prof. dr J. Hano. Adres autorów: Krakow, Garncarska 11, Instytut Onkologii.

(ACTH, eff.

on stomach mucosa in rats (Pol))

(CORTISONE, eff.

same)

(STOMACH, eff. of drugs on.

ACTH & cortisone, on mucosal morphol. in rats (Pol))

URBAN, A.

Cancer in gastric ulcer. Acta medica polona(Warszawa) 1 no.3/4:  
165-176 '60.

1. From the Institute of Oncology in Cracow, Director: Docent  
H. Kolodziejka M.D., Head of the Department of Pathology A. Urban  
M.D.

(PEPTIC ULCER compl) (STOMACH NEOPLASMA compl)

OSZACKI, Jan; URBAN, Anna; LENCZYK, Maria

Microscopic changes in rat livers under the influence of high doses of ACTH and cortisone. Polski przegl. chir. 32 no.12:1175-1182 '60.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr H. Keledziejka.  
Z Zakładu Farmakodynamiki A.M. w Krakowie Kierownik: prof. dr J. Hano.

(CORTICOTROPIN pharmacol) (CORTISONE pharmacol)  
(LIVER pharmacol)



URBAN, Anna; SOCHA, Wladyslaw

Pathomorphology of the gastric mucosa in peptic ulcer and gastric cancer. Nowotwory 11 no.3/4:261-278 '61.

1. Z Instytutu Onkologii — Oddzial w Krakowie Dyrektor: doc. dr  
med. H. Kolodziejska i z II Kliniki Chirurgicznej AM w Krakowie  
Kierownik: prof. dr med. J. Oszacki.  
(PEPTIC ULCER pathol) (STOMACH NEOPLASMS pathol)

SOCHA, Wladslaw; URBAN, Anna

The problem of the malignant degeneration of gastric ulcer in the light of patho-clinical data. Nowotwory 11 no.3/4:279-294 '61.

1. Z Instytutu Onkologii — Oddział w Krakowie Dyrektor: doc. dr. med. H. Kolodziejska Z II Kliniki Chirurgicznej AM w Krakowie  
Kierownik: prof. dr med. J. Oszacki.  
(PEPTIC ULCER pathol) (STOMACH NEOPLASMS pathol)

URBAN, Anna; SOCHA, Wladyslaw

Morphological picture of the gastric mucosa in patients with duodenal ulcer, gastric ulcer and gastric cancer. Polski tygod. lek. 16 no.43:1647-1650 23 0 '61.

1. Z Instytutu Onkologii Oddzial w Krakowie; dyrektor: doc dr med. Hanna Kolodziejska i z II kliniki Chirurgicznej A.M. w Krakowie; kierownik: doc. dr med. Jan Oszacki.  
(PEPTIC ULCER pathol) (STOMACH NEOPLASMS pathol)

SOCHA, Wladyslaw; URBAN, Anna

Studies on the pathomorphology of cancers developing from ulcers.  
Polski tygod. lek. 16 no.44:1685-1688 30 0 '61.

1. Z Instytutu Onkologii Oddzial w Krakowie; dyrektor: doc. dr med.  
Hanna Kolodziejska i z II Kliniki Chirurgicznej A.M. w Krakowie;  
kierownik: doc. dr med. Jan Oszaeki.  
(STOMACH NEOPLASMS pathol) (PEPTIC ULCER pathol)

URBAN, Anna; LENCZYK, Maria; OSZACKI, Jan

Morphological renal changes in rats following the administration of ACTH and cortisone. Pat. polska 13 no.1:85-92 '62.

1. Z Instytutu Onkologii -- Oddzial w Krakowie Dyrektor: doc. dr med. H. Kolodziejska Z Zakladu Farmakodynamiki AM w Krakowie Kierownik: prof: dr med. J. Hano.

(CORTISONE pharmacol) (CORTICOTROPIN pharmacol)  
(KIDNEYS pharmacol)

KOŁODZIEJSKA, Hanna; MEDVEY, Wojciech; MIZIA, Tadeusz; NOWAK, Stanisław;  
URBAN, Anna

Evaluation of the diagnosis of pre-invasive cancer of the cervix uteri  
before surgery. Pol. tyg. lek. 17 no.36:1412-1414 3 S '62.

1. Z Instytutu Onkologii, oddział w Krakowie; dyrektor: doc. dr med.  
Hanna Kołodziejewska.

(CERVIX NEOPLASMS)

OSZACKI, Jan; URBAN, Anna, MARCZYNSKA, Antonina, KULPA, Jan

Nitrogen balance and stomach ulcer morphology. Nowotwory 13  
no.4:289-295 O-D'63.

1. Z Instytutu Onkologii w Krakowie (dyrektor: prof.dr.med.  
H.Kolodziejska) i z II Kliniki Chirurgicznej AM w Krakowie  
(kierownik: prof. dr.med. J.Oszacki).

\*

URBAN, Anna; GORNIAK, Antoni

Syphilitic gastritis. Pat. pol. 14 no.1:103-109 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: doc. dr med.  
H. Kolodziejaska Z II Kliniki Chorob Chirurgicznych AM w Krakowie  
Kierownik: prof. dr med. J. Oszacki.  
(SYPHILIS) (GASTRITIS)  
(DIAGNOSIS, DIFFERENTIAL)  
(STOMACH NEOPLASMS)



URBAN, Anna; OSZACKI, Jan

Cysts of the mediastinum (patho-morphology and clinical aspects of some groups). Pat. pol. 14 no.2:173-189 '63.

1. Z Instytutu Onkologii w Krakowie Dyrektor: prof. dr med.  
H. Kolodziejaska Z II Kliniki Chirurgicznej AM w Krakowie  
Kierownik: prof. dr med. J. Oszacki.  
(MEDIASTINAL CYST) (PATHOLOGY)

URBAN, Anna; OSZACKI, Jan; LENCZYK, Maria

Morphological changes in the rat adrenals following the administration of large doses of cortisone and ACTH. Polski przegl. chir. 35 no.2:97-103 '63.

1. Z Instytutu Onkologii, Oddział w Krakowie Dyrektor: doc. dr H. Kolodziejska Z Zakładu Farmakodynamiki AM w Krakowie Kierownik: prof. dr J. Hano Z II Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr J. Oszaeki.

(RATS) (CORTICOTROPIN) (ADRENAL CORTEX)  
(PHARMACOLOGY) (HISTOLOGY)

URBAN, Anna; LENCZYK, Maria; SMOLAK, Krystyna

Metastases of adenocarcinomas of the alimentary tract, (The relation between degree of morphologic differentiation and survival), Acta med. Pol. 6 no.1:51-62 '65

1. Institute of Oncology, Cracow (Director: prof. dr. H. Kolodziejaka).

OSZACKI, Jan; LENCZYK, Maria; NOSEK, Henryk; URBAN, Anna

Population studies on gastric cancer with special reference to the relation of lymphatic metastases to the age and sex of patients and to blood groups. Nowotwory 15 no.3:227-229 J1-S '65.

1. Z Instytutu Onkologii w Krakowie (Dyrektor: prof. dr. med. H. Kolodziejaska) i z II Kliniki Chirurgicznej AM w Krakowie (Kierownik: prof. dr. med. J. Oszacki).

URBAN B. Studium prazske nemocnici otazky Study of the Prague hospital problem  
Ceskoslovenska Nemocnice, Prague (Czechoslovakia) 1947, 15/3 (33-34)

The necessity of careful planning of new general and special hospitals for Prague is discussed. The present number of available beds is grossly inadequate. The planning has to be done in three successive stages. Stage (I) survey of present status. Stage (II) study of needs for the next 20 to 30 years. Stage (III) working out a long-range plan. Traub-New York

So: Medical Microbiology and Hygiene, Section IV, Vol. I, #1-6

URBAN, B.

A new machine for the continuous production of crushed ice.

p. 707 (Strojirenstvi. Vol. 7, no. 9, Sept. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (MEAI) LC. Vol. 7, no. 2,  
February 1958

URBAN, Bohuslav

Handling of foreign railroad cars. Zel dop. tisk. 12 no. 10:271-275  
'64.

URBAN, B., inz.

Steam flow in the superheater of steam boilers. Sotujirenstvi  
14 no.6:403-410 Je '64.

1. Research Institute of Electric Equipment, First Brno Machine  
Factory, Zavody Klementa Gottwalda, Brno.



URBAN, Barna, dr.

Notes on the temperature in Sarospatak between 1847 and 1853. Idojaras  
64 no.2:115-118 Mr-Ap '60.

JAKUCS, Istvan (Debrecen); URBAN, Barna (Sarospatak)

Oldest physical instruments of the Colleges of Debrecen and  
of Sarospatak. Fiz szemle 11 no.2:55-60 P '61.

UREAN, E.

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Uncl.

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ACCESSION NR: AP4049385

values. However, in cases where the test object is a miniaturized specimen which requires the use of a highly reduced test jet and therefore an equally highly reduced head-pressure jet, the time lost by filling up the tubing and cage exceeds any tolerable limits of industrial use. In 1961, a design modification is proposed whereby jets and transformer are used. This design modification is optimally timed testing purposes. A detailed description of the design modification is provided in the attached document. The design modification is a point pressure device to extend the maximum indicator range. Orig. art. has 10 figures and 4 formulas.

ASSOCIATION: Deutsche Akademie der Wissenschaften, Berlin-Adlershof (German Academy of Sciences)

SUBMITTED 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 003

Card 2/2

BEJCEK, Z.; SAFAR, V.; TOMAN, J.; URBAN, F.; ZIVNY, J.

Analysis of facial injuries treated at the stomatological  
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1. I. stomatologicka klinika (prednosta prof. dr. J. Toman, DrSc.)  
a II. stomatologicka klinika (prednosta prof. dr. F. Urban, DrSc.)  
fakulty vseobecneho lekarstvi Karlovy University v Praze.

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URBAN, F.

URNANE, Given Names

Country: Czechoslovakia

Academic Degrees: Dr, C. Sc. /not identified/

Affiliation: Second Stomatology Clinic (II stomatologicka klinika) FVL (not identified)  
UK (Charles University, Universita Karlova)

Sources: Prague, Prakticke Zubni Lekarstvi, Vol 9, No 7, Sept 1961; pp 207-215

Data: "Training in Stomatology"

GPO 981643

URBAN, F.

60th anniversary of Dr. vratislav bazant. Cesk. stomat. 65  
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URBAN, Frantisek

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: C. Sc. /not identified/

Affiliation: not given

Source Prague, Prakticke Zubni Lekarstvi, Vol 9, No 7, Sept 1961; pp 193-194

Data: " Eightieth Birthday of Academician Fr. BURIAN"

GPO 981643

URBAN, G.

T T N G

621.315.616.9 : 621.313.018

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Elektrotechnika, 48, No. 1-2, 44-51 (Jan.-Feb., 1955)  
In Hungarian.

Properties of bituminous materials are discussed and attention is drawn to their good filling properties. The mechanical and electrical characteristics of contact resins and laminated bakelite insulating materials are studied.

L. CSURÓZ

1. *John R. Smith*



PURJESZ, I.; RITTER, L.; URBAN, G.; WEISZ, P.

Hyposmosis and aldosterone secretion. Acta physiol.hung. 17  
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1. Institute of Pathophysiology, Medical University, Budapest.  
(OSMOSIS)  
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1. Institute of Pathophysiology (Director: J. Sos), University Medical School, Budapest.

(ALDOSTERONE physiology) (WATER pharmacology)

L 40888-66 ENT(m)/ENP(1)/T RM/NE/CO

SOURCE CODE: UR/0000/65/000/000/0288/0274

ACC NR: AT6017558 (A)

AUTHOR: Urban, G. V.; Vinogradova, V. S.; Komarova, V. N.; Kofman, L. S.

ORG: none

TITLE: Thorough removal of sulfur compounds from  $C_4-C_6$  alkanes

SOURCE: Vsesoyuznoye soveshchaniye po tseolitam. 2d, Leningrad, 1964. Tseolity, ikh sintez, svoystva i primeneniye (Zeolites, their synthesis, properties, and application); materialy soveshchaniya. Moscow, Izd-vo Nauka, 1965, 268-274

TOPIC TAGS: desulfurization, alkane, zeolite, adsorption, mercaptan

ABSTRACT: The report covers feasibilities of exploiting the unique sorption properties of synthetic zeolites to develop an industrial process for the desulfurization of  $C_4-C_6$  alkanes and cycloalkanes used as source materials in the manufacture of high polymers. Emphasis was placed on the removal of mercaptans and thiophene. Isotherms for adsorption of various substances, hydrocarbons, and sulfurous compounds by various types of zeolites were obtained experimentally and processed graphically. Values for affinity factors, peak adsorption volume, and other needed constants were calculated by employing equations which describe the volumetric filling of pores. Coadsorption of sulfurous compounds and isopentane from the liquid phase

Card 1/2

HARASZTI, Antal, Dr, URBAN, Geza, Dr; Heves Megye Council Hospital, Department of Pathological Anatomy and Pathohistology (chief physician: HARASZTI, Antal, Dr), and Department of Venereology (chief physician: JOOE, Geza, Dr).

"Lethal Lyell Syndrome Evoked by Meristin Tablets."

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Abstract: [Authors' Hungarian summary] 1) A case of Lyell's syndrome, evoked by Meristin tablets, is reported. 2) It is assumed that a component of Meristin, phenobarbital or amidazophene, may have acted as the allergen precipitating the syndrome. 3) The epithelial vesicles were in a small part of intraepidermal and in a larger part of subepidermal location. 4) It is thought that the blisters - depending on the degree of local reaction - were formed from intracellular edema, reticular degeneration or necrosis. 5) On the basis of the examinations, the epithelial changes are thought to have been primary which were followed by inflammation of the dermis. 4 Hungarian, 29 Western references.

1/1

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